



## ***Billet Analysis Tool (BAT)***

WG5: Analytic Tools and Data  
For Force Structure Analysis

26 January 2011

Briefer

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OPNAV N14B

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# ***Background***

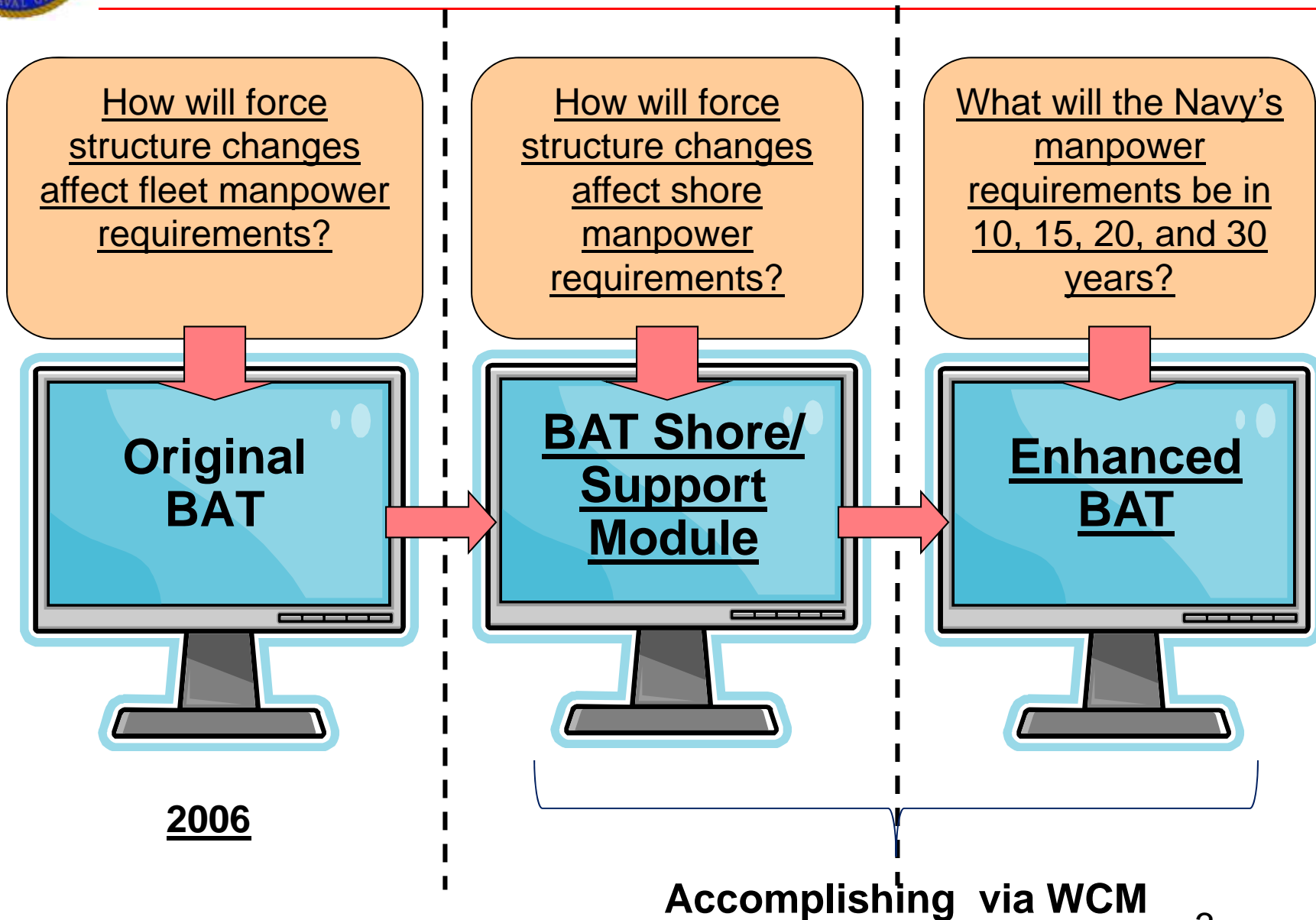
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## **Why the Navy needs an analytic tool to study manpower requirements:**

- Rising manpower costs and declining endstrength have elevated the importance of manpower requirements and costs in assessing force structure alternatives
- Previous tools to extract and compile TFMMS data to assess these alternatives were cumbersome and tedious to use
- Most assessments looked only at manpower requirements of force structure units
  - For example, if the Navy decommissions four destroyers, only the billets on these ships go away
- Need to assess the manpower effects of force structure changes within the shore infrastructure
  - For example, if the Navy decommissions four destroyers, where should shore manpower requirements decrease and by how much?
- Need to forecast requirements beyond the FYDP
  - What will requirements look like in 10, 15, and 20 years?
  - May require changes well in advance to ensure that inventory matches requirements or that requirements are executable



# BAT Development



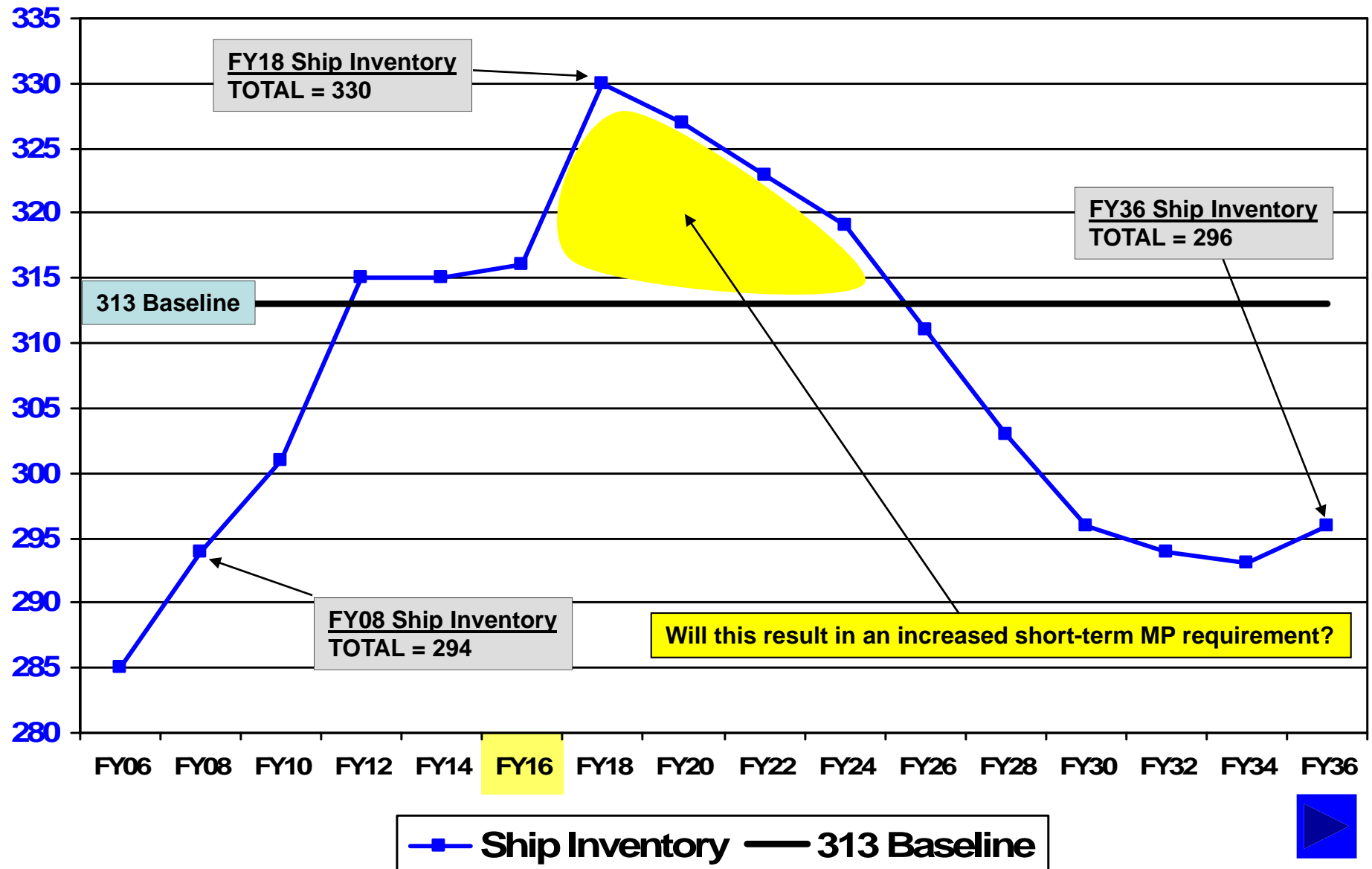


## **BAT EXAMPLES**

- 30 YR SHIP PLAN/SEA BILLETS**
- LCS MANNING EXCURSIONS**
- CV PLAN**
- SURFACE COMBATANTS**
- COMMUNITY IMPACTS**

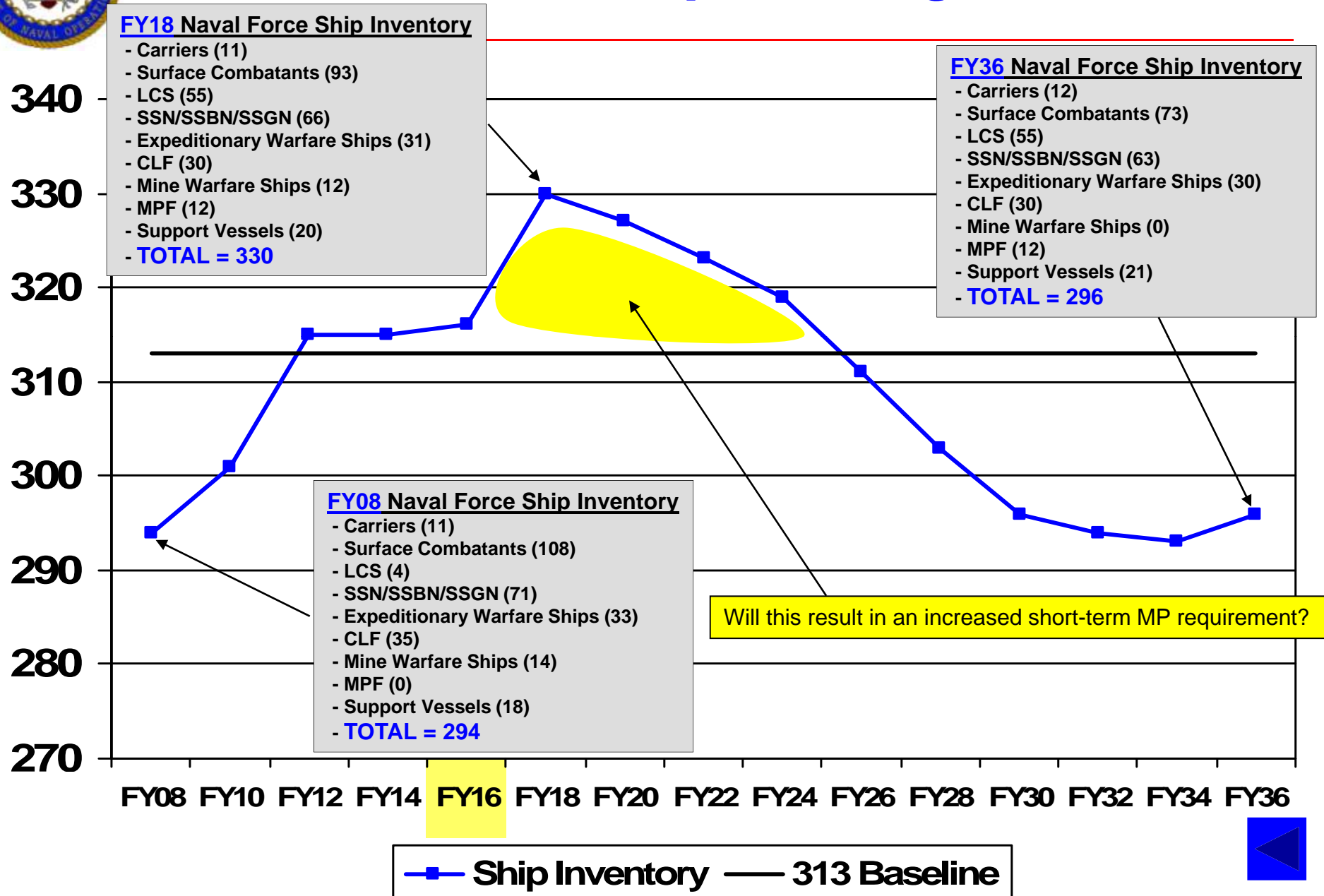


# 30-Year Shipbuilding Plan



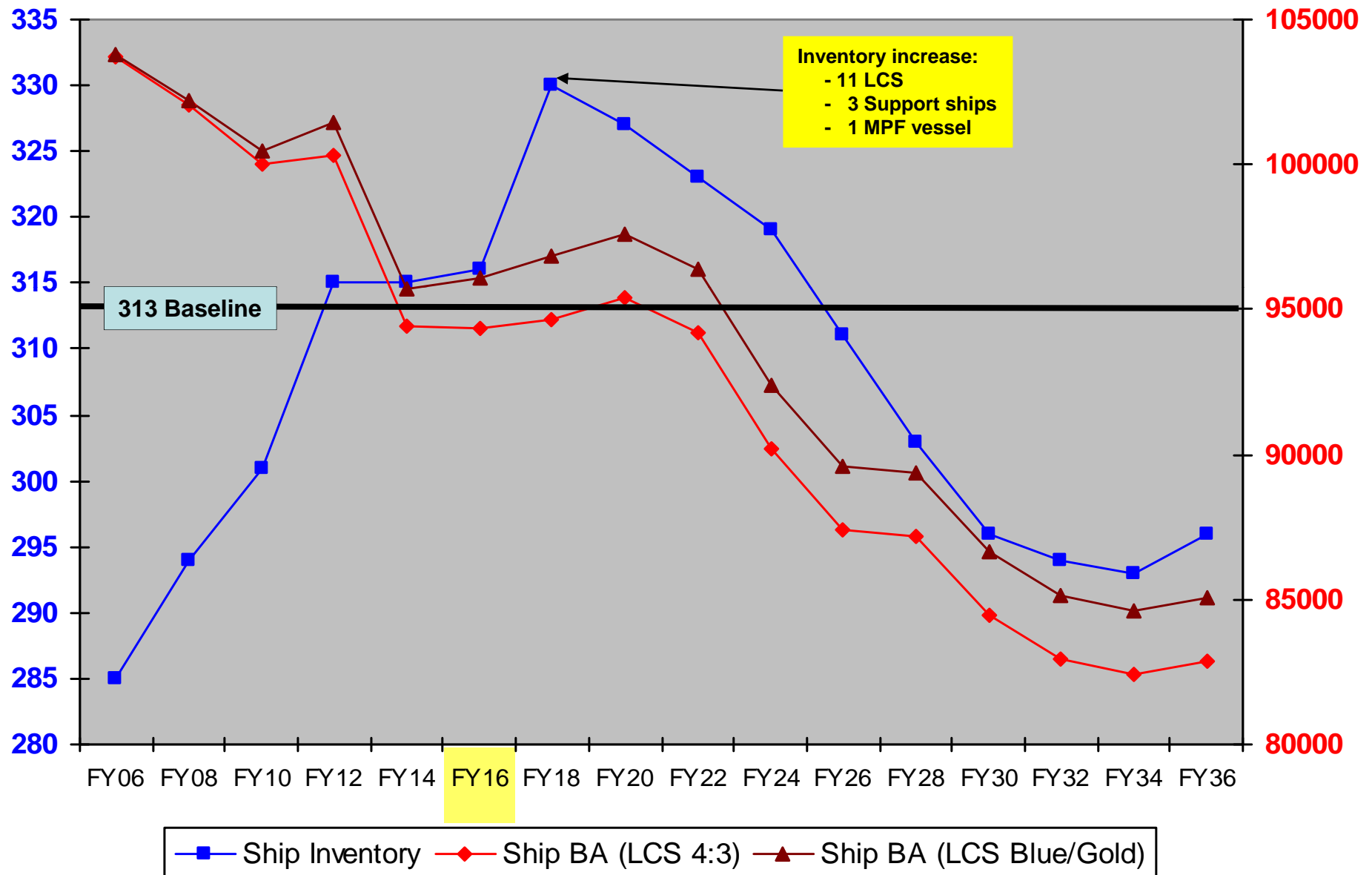


# 30-Year Shipbuilding Plan





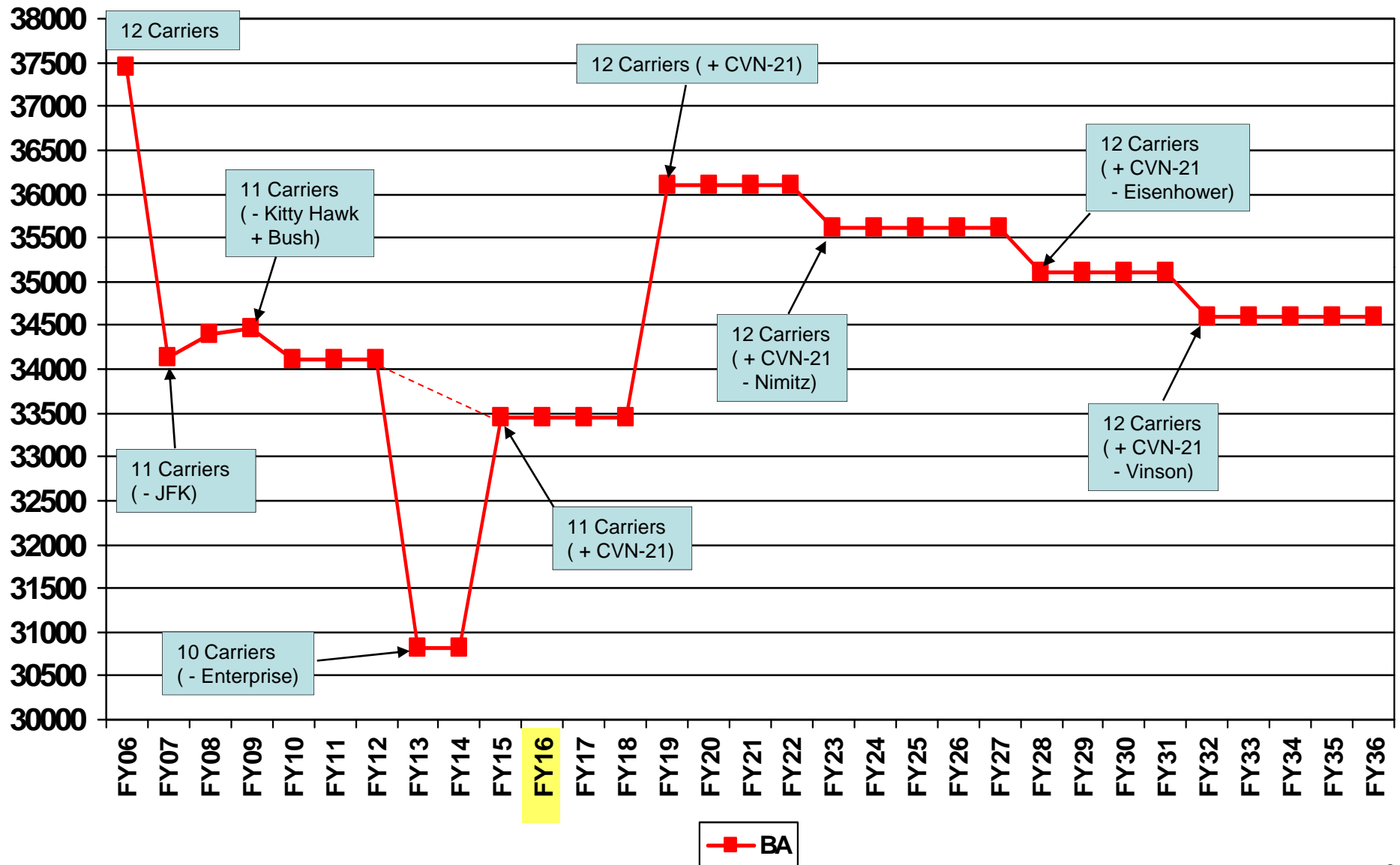
# Ship Inventory vs Projected Ship BA





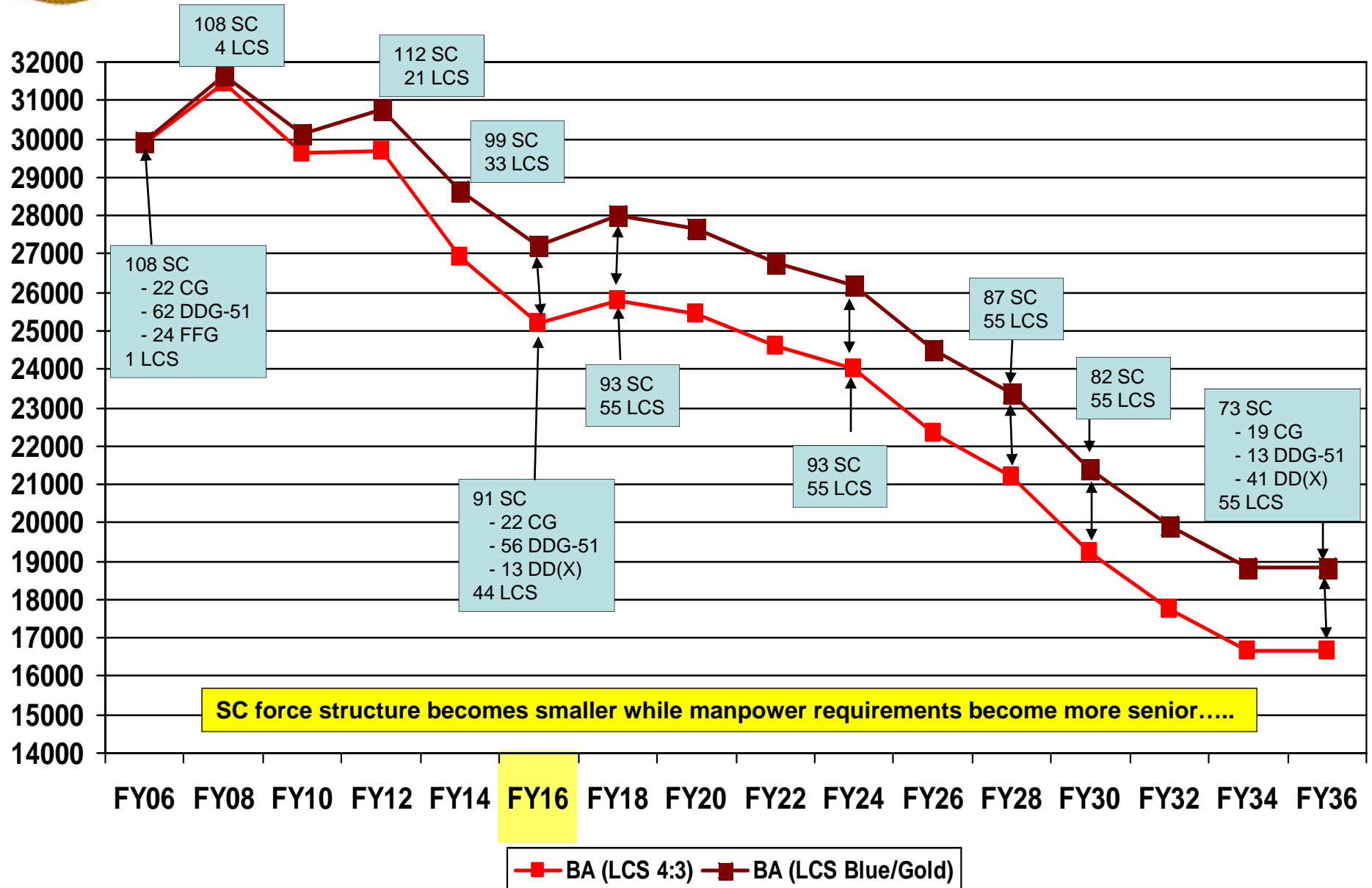


# Carrier BA Beyond the FYDP





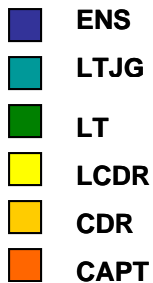
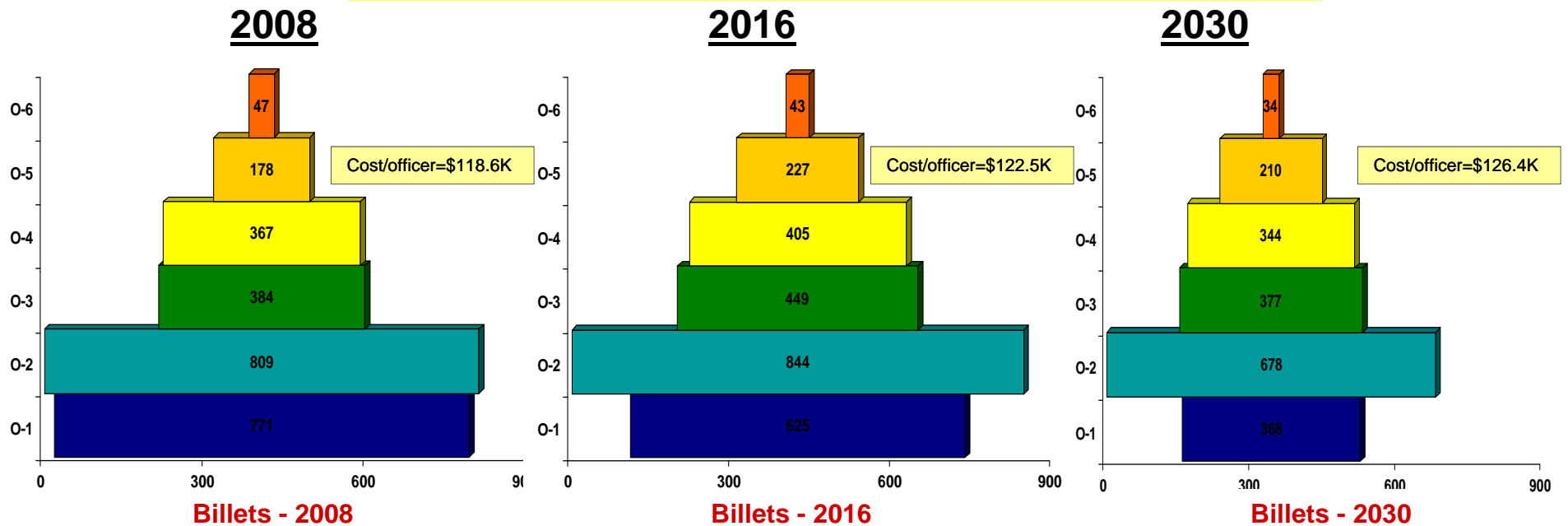
# Surface Combatants (SC)





# Analysis of Force Structure Change Impacts on Community Health

## Surface URL Billets on All Ships (Ships Company)



**Beyond the FYDP, focus must shift from accessions to retention**

- Results in a more senior and more expensive (cost per member) force.
- How do we grow enough Dept Heads with a shrinking O-1/O-2 base?

**Force structure decisions are creating significant community challenges**



# ***QUESTIONS***